



# CONSTRUCTION EQUIPMENT

SWA058525-10 VOLVO L180H 5418 - FRONT AXLE



**Sample No:** VCP330850  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA058525-10



## SAMPLE INFORMATION

Sample Number	<b>VCP330850</b>	VCP331147	VCP325234	VCP287160
Sample Date	<b>13 Sep 2022</b>	29 Nov 2021	09 Jun 2021	26 Oct 2020
Machine Hours	<b>3034</b>	2239	997	575
Oil Hours	<b>0</b>	0	997	575
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

## ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
 Contact: BILL EVANS  
 bill.evans@vanquip.com  
 T:  
 F: (315)437-8558



## OIL CONDITION

Visc @ 40°C	cSt	<b>39.4</b>	40.1	39.1	37.0
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## CONTAMINATION

Silicon	ppm	<b>9</b>	10	8	12
Sodium	ppm	<b>7</b>	7	9	8
Potassium	ppm	<b>&lt;1</b>	2	1	2



## WEAR METALS

Iron	ppm	<b>69</b>	95	35	95
Copper	ppm	<b>8</b>	6	2	3
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>1</b>	0	<1	3
Chromium	ppm	<b>2</b>	4	2	4
Molybdenum	ppm	<b>3</b>	5	3	4
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	6	2	7
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>3273</b>	4100	3769	3841
Magnesium	ppm	<b>9</b>	10	11	11
Zinc	ppm	<b>1353</b>	1513	1495	1527
Phosphorus	ppm	<b>1176</b>	1389	1285	1301
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>122</b>	113	141	126

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0142  
**Unique No:** 10139702  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2022



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## GRAPHS

